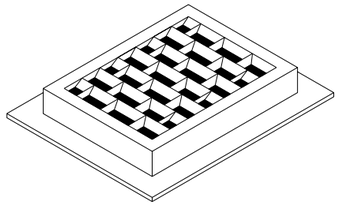
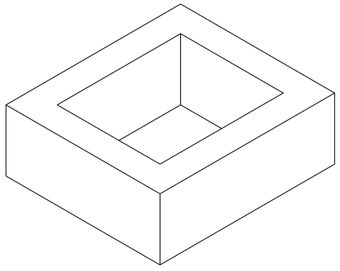
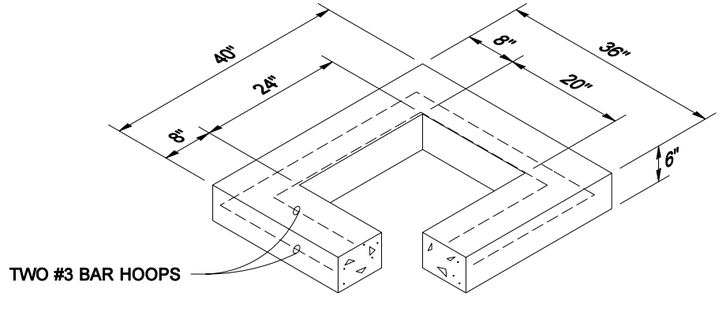


FRAME AND VANED GRATE



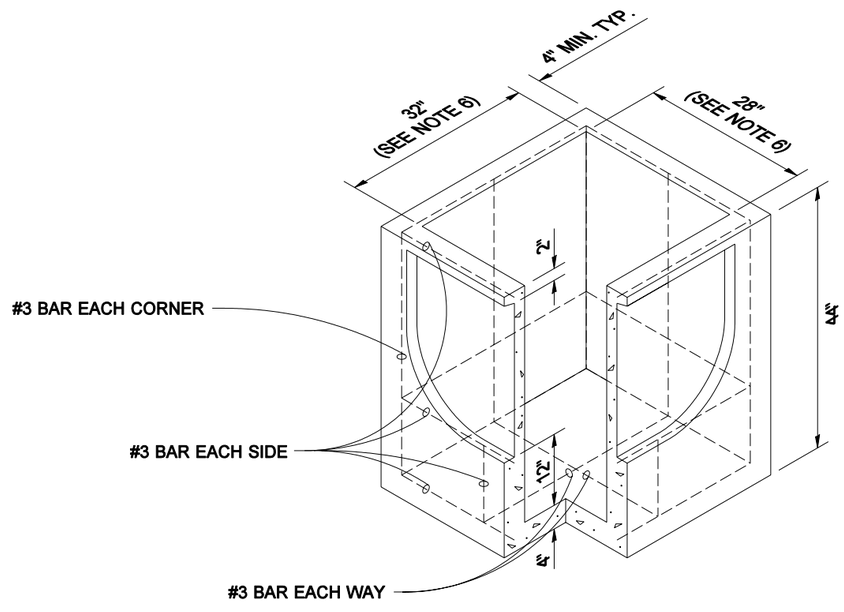
RECTANGULAR ADJUSTMENT SECTION



REDUCING SECTION

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER
REINFORCED OR PLAIN CONCRETE	18"
ALL METAL PIPE	21"
CPSSP * (Std. Spec. 9-05.20)	18"
SOLID WALL PVC (Std. Spec. 9-05.12(1))	21"
PROFILE WALL PVC (Std. Spec. 9-05.12(2))	21"

* CORRUGATED POLYETHYLENE STORM SEWER PIPE



PRECAST BASE SECTION

NOTES

1. As an acceptable alternate to rebar, wire mesh having a minimum area of 0.12 square inches per foot may be used. Wire mesh shall not be placed in knockouts.

2. The knockout diameter shall not be greater than 26". Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum. Provide a 1.5" minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with Std. Spec. 9-04.3.

3. The maximum depth from the finished grade to the pipe invert shall be 5'.

4. Frame and grate may be installed with flange down or cast into adjustment section.

5. The precast base section may have a rounded floor and the walls may be sloped at a rate of 1:24 or steeper.

6. Opening shall be measured at the top of the precast base section.

CATCH BASIN TYPE 1L

STANDARD PLAN B-1a

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

DATE	REVISION	BY
7/01	ADDED PIPE ALLOWANCES TABLE	MAS

APPROVED FOR PUBLICATION

Clifford E. Mansfield — STATE DESIGN ENGINEER

07-31-01 — DATE

Washington State Department of Transportation